

WHAT IS CLAIMED IS:

1. An optical apparatus which has a plurality of functions for controlling the driving of an optical element, comprising:

a first memory storing a default setting data set which includes default setting values for the plurality of functions, the default setting values being non-rewritable; and

a second memory storing a user setting data set which includes user setting values for the plurality of functions, the user setting values being rewritable based on the default setting values.

2. The optical apparatus according to Claim 1, wherein the second memory stores a plurality of the user setting data sets.

3. The optical apparatus according to Claim 2, wherein, of the plurality of the user setting data sets, a first user setting value of a first user setting data set is transferable to a second user setting value of a second user setting data set.

4. The optical apparatus according to Claim 1, wherein the



user setting value of the user setting data set is transferable to a user setting value of a user setting data set of another optical apparatus.

5. The optical apparatus according to Claim 1, wherein the user setting data set can be initialized to the default setting data set.

6. An optical apparatus which has a function for controlling the driving of an optical element, comprising:

a display device; and

a controller which controls the display device for displaying a startup menu and a setting changing menu, the startup menu being displayed first when the power of the display device is turned on, and the setting changing menu including a setting changing icon for changing a setting value of the function,

wherein the setting changing icon is displayed inside the startup menu.

7. The optical apparatus according to Claim 6, further comprising an iris,

wherein the setting changing icon is a gain setting changing icon for changing a gain value of the iris.



- 116 -

8. An optical apparatus which has a plurality of functions for controlling the driving of an optical element, comprising:

a display device; and

a controller which controls the display device for displaying a startup menu, a function selection menu and a setting changing menu, the startup menu being displayed first when the power of the display device is turned on, the function selection menu being displayed for selecting one of the plurality of functions, and the setting changing menu being displayed for changing a setting value of the function,

wherein a transition from the startup menu to the setting changing menu is performed via the function selection menu.

9. The optical apparatus according to Claim 8, further comprising an iris,

wherein the function selection menu is an iris function selection menu, and the setting changing menu is a gain setting changing menu for changing a gain value of the iris.

10. An optical apparatus which has a plurality of functions for controlling the driving of an optical element, comprising:

a display device; and



- 117 -

a controller which controls the display device for displaying a first function selection menu, a second function selection menu which is different from the first function selection menu, and a setting changing menu, the first function selection menu being displayed for selecting one of the plurality of functions, and the setting changing menu being transited from the first function selection menu and displayed for changing a setting value of the function,

wherein a transition from the setting changing menu to the second function selection menu is inhibited.

11. The optical apparatus according to Claim 10, further comprising an iris,

wherein the first function selection menu is an iris function selection menu, the setting changing menu is a gain setting changing menu for changing a gain value of the iris, and the second function selection menu is a zoom function selection menu.

12. The optical apparatus according to Claim 10, wherein the controller further controls the display device for displaying a startup menu, which is displayed first when the power of the display device is turned on.

13. An optical apparatus which has a plurality of first



- 118 -

functions for controlling the driving of an optical element and a plurality of second functions for setting a user's data set, comprising:

a display device; and

a controller which controls the display device for displaying a startup menu, a first function selection menu, a user function selection menu and a transition confirmation menu, the startup menu being displayed first when the power of the display device is turned on, the first function selection menu being transited from the startup menu and displayed for selecting one of the plurality of first functions, the user function selection menu being transited from the startup menu and displayed for selecting one of the plurality of second functions, and the transition confirmation menu being interposed in a transition from the first function selection menu to the startup menu,

wherein, when a transition from the first function selection menu to the transition confirmation menu has been performed, a reverse transition from the transition confirmation menu to the first function selection menu is allowed and a transition from the transition confirmation menu to the user function selection menu is inhibited.

14. The optical apparatus according to Claim 13, wherein the controller further controls the display device for



- 119 -

displaying a setting changing menu, which is transited from the first function selection menu and displayed for changing a setting value of the first function.

15. The optical apparatus according to Claim 14, further comprising an iris,

wherein the first function selection menu is an iris function selection menu and the setting changing menu is a gain setting changing menu for changing a gain value of the iris.

16. An optical apparatus which has a plurality of functions for controlling the driving of an optical element, comprising:

a display device; and

a controller which controls the display device for displaying a startup menu, a first function selection menu, a second function selection menu which is different from the first function selection menu, and a transition confirmation menu, the startup menu being displayed first when the power of the display device is turned on, the first function selection menu being transited from the startup menu and displayed for selecting one of the plurality of functions, and the transition confirmation menu being interposed in a transition from the first function selection menu to the



startup menu,

wherein, when a transition from the first function selection menu to the transition confirmation menu has been performed, a reverse transition from the transition confirmation menu to the first function selection menu is allowed and a transition from the transition confirmation menu to the second function selection menu is inhibited.

17. The optical apparatus according to Claim 16, wherein the controller further controls the display device for displaying a setting changing menu, which is transited from the first function selection menu and displayed for changing a setting value of the function.

18. The optical apparatus according to Claim 17, further comprising an iris,

wherein the first function selection menu is an iris function selection menu, the setting changing menu is a gain setting changing menu for changing a gain value of the iris, and the second function selection menu is a zoom function selection menu.

19. An optical apparatus which has a plurality of first functions for controlling the driving of an optical element and a plurality of second functions for setting a user's



- 121 -

data set, comprising:

a display device; and

a controller which controls the display device for displaying a startup menu, a first function selection menu and a user function selection menu, the startup menu being displayed first when the power of the display device is turned on, the first function selection menu being transited from the startup menu and displayed for selecting one of the plurality of first functions, and the user function selection menu being transited from the startup menu and displayed for selecting one of the plurality of second functions,

wherein a transition from the startup menu to the first function selection menu is performed via the user function selection menu,

and a direct transition from the startup menu to the first function selection menu is inhibited.

20. The optical apparatus according to Claim 19, wherein the controller further controls the display device for displaying a setting changing menu, which is transited from the first function selection menu and displayed for changing a setting value of the first function.

21. The optical apparatus according to Claim 20, further



comprising an iris,

wherein the first function selection menu is an iris function selection menu and the setting changing menu is a gain setting changing menu for changing a gain value of the iris.

22. An image-taking system, comprising:

a camera; and

the optical apparatus according to Claim 1, which is connected to the camera.

23. An image-taking system, comprising:

a camera; and

the optical apparatus according to Claim 6, which is connected to the camera.

24. An image-taking system, comprising:

a camera; and

the optical apparatus according to Claim 8, which is connected to the camera.

25. An image-taking system, comprising:

a camera; and

the optical apparatus according to Claim 10, which is connected to the camera.



26. An image-taking system, comprising:

a camera; and

the optical apparatus according to Claim 13, which is connected to the camera.

27. An image-taking system, comprising:

a camera; and

the optical apparatus according to Claim 16, which is connected to the camera.

28. An image-taking system, comprising:

a camera; and

the optical apparatus according to Claim 19, which is connected to the camera.